

**TETRA TECH, INC.**

4213 State St., Suite 205
 Santa Barbara, CA 93101
 Telephone (805) 681-3100
 FAX (805) 631-3108

Project: **Vandenberg AFB IRP**Log of Well No. **15-MW-2**
 Location: **OU4 Site 15, ABRES-B Launch Complex, approx. 1600'**
ENE of Bldg. 1825.
Date Started: **12/2/93** Completed: **12/3/93**Logged By: **J. E. Moser** Checked By: **R. Horwath, RG**
*RGW # 5923*Drilled By: **J. Duenas, Layne Env.**Drilling Equipment: **CME 750, 10"/12" HSA**Sampling Equipment: **2" ID Split-spoon**GS Elev.: **84.7** ft above MSL TD: **30.5 ft** bgs4" PVC Blank Casing: from **0** ft bgs to **15.5** ft bgs0.020 " Screened Casing: from **15.5** ft bgs to **25.5** ft bgsBentonite/Cement Grout: from **3** ft bgs to **11.5** ft bgsBentonite Transition Seal: from **11.5** ft bgs to **13.5** ft bgs#3 Sand Filter Pack: from **13.5** ft bgs to **30.5** ft bgsTOC Elev.: **87.85** ft above MSL

Depth (ft bgs)	DESCRIPTION	Graphic/ USCS	Well Construction	Sample Blow Counts Per 6"	Percent Recovery	PID (ppm) Amb/Sup	REMARKS
5	<u>silty sand</u> light olive brown (2.5Y 5/4), fine to medium grained, moderate fine shale gravel, roots, poorly sorted, subangular, loose, dry, dune sand.	SM		5 12 50-5"	50 0	0/1.5	Start 1435. V15MW2-0 sent for chemical tests.
10	<u>sand</u> strong brown (7.5YR 5/6), fine to medium grained, well sorted, angular to subangular, very dense, slightly moist, dune sand.	SP		7 14 20 22	88	0/1.5	
15	<u>sand</u> brownish yellow (10YR 6/6), fine grained, well sorted, angular to subangular, minor mottled iron staining, very dense, slightly moist, dune sand.			15 19 27 14 24 24 37	63 75		V15MW2-10 sent for physical tests.
	Same, except moderate mottled iron staining.			11 28 30 37	79	0/1.7	V15MW2-15 sent for chemical tests.
				11 25	88	0/1.3	

NE Groundwater depth during drilling

23.0 ft bgs Groundwater depth after well development on: 2/10/94

TC Number: **7001-40****TETRA TECH, INC.**

Continued Next Page

Page 1 of 2

**TETRA TECH, INC.**

4213 State St., Suite 205
Santa Barbara, CA 93101
Telephone (805) 681-3100
FAX (805) 631-3108

Project: **Vandenberg AFB IRP**
Log of Well No. **15-MW-2**

Location: **OU4 Site 15, ABRES-B Launch Complex, approx. 1600'**
ENE of Bldg. 1825.

Depth (ft bgs)	DESCRIPTION	Graphic/ USCS	Well Construction	Sample	Blow Counts Per 6"	Percent Recovery	PID (ppm) Amb/Smp	REMARKS
	<u>sand</u> dark brown (10YR 3/3), fine grained, well sorted, angular to subangular, very dense, moderate iron staining, slightly moist, dune sand.	SP			30 35			
25	<u>silty sand</u> olive (5Y 5/4), fine to medium grained, poorly sorted, angular to subangular, very dense, minor mottled iron staining, moist, dune sand.	SM			11 18 27 35		0/5	Water came into boring overnight to 22.8 feet bgs. V15MW2-25 sent for chemical tests
	<u>shale</u> olive (5Y 5/3), very dense, slight iron staining, slightly moist, weathered Sisquoc Formation.	SHALE						
30	<u>shale</u> light olive brown (2.5Y 5/4), hard, slight iron staining, slightly moist, Sisquoc Formation.				15 50-5" 50-5"			V15MW2-30 sent for physical tests. Refusal. End 1610.
35								
40								